

Amendments to the Specification:

Please replace the paragraph that begins on line 25 of page 1 with the following paragraph.

Each subfield has an address interval and a sustain interval. Data for each pixel are transmitted to corresponding scan electrode and address electrode to selectively discharge or erase each cell in the address interval. In the sustain interval, the data for each pixel are maintained, thereby realizing the gray (i.e., gray level).

Please replace the paragraph that begins on line 9 of page 14 with the following paragraph.

The subfield matrices 131 and 133 receive serial subfield data output by the subfield data generators 121 and 123. Each subfield ~~data-generator-matrix 131 and 133~~ converts the serial subfield data for thirty-two neighboring cells into 32-bit parallel subfield data by arranging them according to a predetermined rule, and outputs the 32-bit parallel subfield data. In other words, the subfield matrix 131 receives the 16-bit serial subfield data output by the subfield data generator 121, generates 32-bit parallel subfield data corresponding to thirty-two cells, and outputs them, and the subfield matrix 133 receives the 16-bit serial subfield data output by the subfield data generator 123, generates 32-bit parallel subfield data corresponding to thirty-two cells, and outputs them.